

**Amendments to the Claims**

1. (ORIGINAL) A flexible flat panel display comprising a first substrate characterized in that said first substrate has a modulus of elasticity smaller than or equal to 1.5 GPa.
2. (ORIGINAL) A flexible flat panel display according to claim 1, wherein said first substrate has a modulus of elasticity smaller than or equal to a modulus selected among the group consisting of 1.3 GPa, 1.1 GPa, 1 GPa, 0.9 GPa, 0.8 GPa, 0.7 GPa, 0.6 GPa, 0.5 GPa, 0.4 GPa, 0.3 GPa, 0.2 GPa and 0.1 GPa.
3. (CURRENTLY AMENDED) A flexible flat panel display according to ~~claims 1 or 2~~claim 1, wherein said flat panel display comprises an electro-optical medium such as a liquid crystal, or an electro-chrome or electro-phoretic element, a light emitting element, an organic or inorganic light emitting element, polymer light emitting element, or any combination thereof.
4. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 1 to 3~~claim 1 further comprising one or more layers positioned substantially coplanar and adjacent to upper and/or lower surface of said first substrate.
5. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 1 to 4~~claim 1 further comprising a first layer positioned substantially coplanar and adjacent to said first substrate, which first layer has a modulus of elasticity,  $E_I$ , and said first substrate has a modulus of elasticity,  $E_{II}$ , where is  $E_I$  larger than  $E_{II}$ .
6. (ORIGINAL) A flexible flat panel display according to claim 5, wherein said first layer is positioned nearest said electro-optical medium and said first substrate furthest from said eletro-optical medium.

7. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 5 or 6~~claim 5, wherein the ratio  $E_{\perp}/E_{\parallel}$  is larger than a number chosen among the group of numbers 2, 2.5, 3, 5, 8, 10, 15 or 20.

8. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 5 to 7~~claim 5, wherein said first layer has a thickness of up to 80% of the total thickness of said first substrate and said first layer.

9. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 1 to 8~~claim 1, wherein said first substrate is bendable into a radius of curvature smaller than a radius selected among the group consisting of 300, 200, 100, 50, 40, 30, 20, 15, 10, 5, 3 and 1 mm.

10. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 1 to 9~~claim 1 further comprising a display substrate positioned coplanar with said first substrate, which display substrate has a modulus of elasticity smaller than or equal to 1.5 GPa.

11. (ORIGINAL) A flexible flat panel display according to claim 10, wherein said display substrate has a modulus of elasticity smaller than or equal to a modulus selected among the group consisting of 1.3 GPa, 1.1 GPa, 1 GPa, 0.9 GPa, 0.8 GPa, 0.7 GPa, 0.6 GPa, 0.5 GPa, 0.4 GPa, 0.3 GPa, 0.2 GPa and 0.1 GPa.

12. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 10 or 11~~claim 10 further comprising one or more layers positioned substantially coplanar and adjacent to upper and/or lower surface of said display substrate.

13. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 10 to 12~~claim 10 further comprising a second layer positioned substantially coplanar and adjacent to the display substrate, which second layer has modulus of elasticity,  $E_{III}$ , and said display substrate has a modulus of elasticity,  $E_{IV}$ , where said  $E_{III}$  is larger than  $E_{IV}$ .

14. (ORIGINAL) A flexible flat panel display according to claim 13, wherein the ratio  $E_{III}/E_{IV}$  is larger than a number chosen among the group of numbers 2, 2.5, 3, 5, 8, 10, 15 or 20.

15. (CURRENTLY AMENDED) A flexible flat panel display according to ~~claims 13 or 14~~ claim 13, wherein said second layer has a thickness of up to 80% of the total thickness of said display substrate and the second layer.

16. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 10 to 15~~ claim 10 further comprising a first spacer and a second spacer positioned between said first substrate and said display substrate, and a cell structure for containing said electro-optical medium and defined between said first substrate, said display substrate, said first spacer and said second spacer, said cell structure defining a cell gap between said first substrate and display substrate.

17. (ORIGINAL) A flexible flat panel display according to claim 16, wherein said second layer is positioned nearest said electro-optical medium and said display substrate is positioned furthest from said electro-optical medium.

18. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 16 or 17~~ claim 16, wherein said flexible flat panel display being adapted to bend into a curvature, while ensuring a relative variation of said cell gap,  $\Delta/d$ , equal to or smaller than 5%.

19. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 16 to 18~~ claim 16, wherein said flexible flat panel display satisfies the expression:

$$\Delta/d \leq \frac{(\frac{1}{d} + \frac{1}{h})L^4}{\kappa_{Geo} R^2 h}$$

where  $d$  is said cell gap,  $h$  is thickness of said first or said second substrate,  $L$  is the distance between said first and second spacers,  $\kappa_{Geo}$  is a geometric constant, and  $R$  is radius of curvature of said flat panel display while bent.

20. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 16 to 19~~claim 16, wherein said relative cell gap variation is equal to or smaller than a relative cell gap variation selected among the group consisting of 5%, 4%, 3%, 2.5%, 2%, 1.5%, 1%, 0.5%, 0.25% and 0.1%.

21. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 10 to 20~~claim 10 further comprising a plurality of first and second spacers positioned between said first and second substrates defining a plurality of cell structures there between.

22. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 1 to 21~~claim 1, wherein said first substrate comprises a flexible polymer being transparent or opaque.

23. (CURRENTLY AMENDED) A flexible flat panel display according to ~~any of claims 10 to 22~~claim 10, wherein said display substrate comprise a flexible polymer being transparent or opaque.

24. (ORIGINAL) A flexible substrate characterised in having a modulus of elasticity smaller than or equal to 1.5 GPa.

25. (CURRENTLY AMENDED) A flexible substrate according to claim 24, wherein said substrate incorporates any features of the flexible flat panel display according to ~~claims 1 to 23~~claim 1.